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Yvette Killingham

PATENT

Attorney Docket No. 29191-707

Art Unit: Not yet assigned

Examiner: Note yet assigned

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

He Application

Inventor(s): Heller, Jonathan et al.

Application No.: 10/645,863

Filed: August 20, 2003

Title: SYSTEM OF ANALYZING COMPLEX

MIXTURES OF BIOLOGICAL AND OTHER FLUIDS TO IDENTIFY

BIOLOGICAL STATE INFORMATION

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Sir/Madam:

Listed below or on an attached Form PTO-1449 is information known to applicant(s). A copy of each listed publication and U.S. and foreign patent, except for pending U.S. applications, is being submitted herewith, along with a concise explanation of information in a foreign language, if any, pursuant to 37 C.F.R. §1.97-1.98.

Applicants respectfully request that the listed information be considered by the Examiner and be made of record in the above-identified application. If form PTO-1449 is enclosed, the Examiner is requested to initial and return it in accordance with MPEP §609.

This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in §1.56.

apply)		tatemen	t qualifies under 37 C.F.R. §	1.97, subsection (b) because (check all that
	\boxtimes	(1)	_	onths of the application filing date and is other n application under § 1.53(d)
		(2)		onths of entry of a national stage
		(3)		nail date of the first Office Action on the merits
		(4)		nailing of a first Office Action after the filing xamination under § 1.114.
	beyon of the mailin	d the fil nationa g date o	ing date of a national applical stage as set forth in §1.491 of a first Office action on the	ng filed after the latest of: (1) three months tion; (2) three months beyond the date of entry in an international application; or (3) the merits, but before the mailing date of the or a notice of allowance under §1.311, then:
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		a fee o	f \$180.00 as set forth in §1.1 ne payment of other papers fi	7(p) is authorized below, enclosed, or included led together with this statement.
	a final	office a	97(d). If this statement is beingtion under §1.113 or a notice issue fee, then:	ng filed after the mailing date of the earlier of ce of allowance under §1.311, but before
	A.	a certif	fication as specified in §1.97((e) is completed below; and
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	C.	a fee of	f \$130.00 as set forth in §1.1 ed with the payment of other	7(i)(1) is authorized below, enclosed, or papers filed together with this statement.
\boxtimes	referen	iced fee	s of \$0.00 and charge any add	ereby authorized to charge the above- ditional fees or credit any overpayment osit Account No. <u>23-2415 (Docket No.29191-</u>
				Respectfully submitted,
				WILSON SONSINI GOODRICH & ROSATI
Dated:		11	2103	By: Vm VI
				Vern Norviel, Reg. No.32,483

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				Comple	ete if Known
Substitute for	r form 144	49A/PTO		Application No.	10/645,863
INFORMATION DISCLOSURE				Filing Date	8/20/03
STATEMENT BY APPLICANT (Use as many sheets as necessary)				First Named Inventor	Heller
(Use as	many sh	eets as ne	cessary)	Art Unit	Not yet assigned
Sheet 1 Of 4				Examiner Name	Not yet assigned
				Attorney Docket No.	29191-707

	·	U.S.	PATENT DO	DCUMENTS	
		Document No.			
Examiner's Initials	Cite No. 1	Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevan Figures Appear
		US-6,068,749	5/30/00	Karger et al.	
		US-5,872,010	2/16/99 ,	Karger et al.	
		US-5,917,184	6/29/99	Carson et al.	
		US-5,958,202	9/28/99	Regnier et al.	
		US-6,375,817	4/23/02	Taylor et al.	
		US-6,175,112	1/16/01	Karger et al.	
		US-6,342,142	1/29/02	Ramsey et al.	
		US-6,231,737	5/15/01	Ramsey et al.	
		US-6,033,546	3/7/00	Ramsey	
		US-6,358,692	3/19/02	Jindal et al.	•
		US-5,856,671	1/5/99	Henion et al.	
		US-6,207,954	3/27/01	Andrien, Jr. et al.	
		US-6,139,734	10/31/00	Settlage, et al.	•
		US-5,245,186	9/14/93	Chait et al.	
		US-5,045,694	9/3/91	Beavis et al.	
		US-4,977,320	12/11/90	Chowdhury et al.	
		US-6,318,970	11/20/01	Backhouse	
_		US-6,368,562	4/9/02	Yao	
		US-5,993,633	11/30/99	Smith et al.	
		US-6,187,190	2/13/01	Smith et al.	
		US-6,107,628	8/22/00	Smith et al.	
		US-5,545,304	8/13/96	Smith et al.	
		US-5,833,861	11/10/98	Afeyan et al.	
		US-5,952,653	9/14/99	Covey et al.	
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Substitute for	r form 14	49A/PTO	•	Application No.	10/645,863
		DISCLO		Filing Date	8/20/03
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(Use as	many sn	eets as nec	essary)	Art Unit	Not yet assigned
				Examiner Name	Not yet assigned
Sheet	2	Of	4	Attorney Docket No.	29191-707

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Examiner's Initials	Cite No. 1	Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevan Figures Appear
		US-5,393,975	2/28/95	Hail et al.	
		US-6,322,682	11/27/01	Arvidsson et al.	
		US-6,379,791	4/30/02	Schneider et al.	
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_		US-4,443,319	4/17/84	Chait et al.	
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		US-5,296,114	3/22/94	Manz	
		US-6,086,243	7/11/00	Paul et al.	
		US-6,091,502	7/18/00	Weigl et al.	
		US-6,159,739	12/12/00	Weigl et al.	
		US-6,277,641	8/21/01	Yager	
		US-5,624,539	4/29/97	Ewing et al.	
		US-5,358,618	10/25/94	Ewing et al.	
		US-6,284,113	9/4/01	Bjornson et al.	
		US-6,280,589	8/28/01	Manz et al.	
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		US-2002/0036140	3/28/02	Manz et al.	
		US-2002/0041827	4/11/02	Yager et al.	
		US-2001/0014461	8/16/01	Hutchens et al.	
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INFORMATION DISCLOSURE				Filing Date	8/20/03	
STATEMENT BY APPLICANT				First Named Inventor	Heller	
(Use as	many sh	eets as ne	cessary)	Art Unit	Not yet assigned	
				Examiner Name	Not yet assigned	
Sheet	3	Of	4	Attorney Docket No.	29191-707	

		FOREIG	N PATENT DO	CUMENTS		
		Foreign Patent Document				
Examiner's Initials	Cite No.1	Country Code ³ – Number⁴ – Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Τ'
		WO 00/65472	11/2/00	Ringold et al.		Г
		WO 02/06829	1/24/02	Hitt et al.		
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		OTHER PRIOR ART – NON PATENT RELATED DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher city and/or country where published	T ²
		ADAM, Bao-Ling, et al. "Serum protein fingerprinting coupled with a pattern-matching algorithm distinguishes prostate cancer from benign prostate hyperplasia and healthy men". Cancer Research, (2002) 62:3609-3614.	
		BERTERO, M., "Linear inverse and ill-posed problems". In Advances in Electronics and Electronic Physics. Academic Press, (1989), NY.	
		DONOHO, D. L. "Nonlinear solution of linear inverse problems by wavelet-vaguelette decomposition". <i>App. and Comp. Harmonic Analysis</i> , (1995), 2:101-126.	
		DONOHO, D. L. "Unconditional bases are optimal bases for data compression and for statistical estimation". <i>Applied and Computational Harmonic Analysis</i> , (1993), 1(1):100-115.	
		DONOHO, D. L., et al. "Adapting to unknown smoothness via wavelet shrinkage". Journal of the American Statistical Association, (1995), 90(432):1200-1224.	
		GUYON, I, et al. "An introduction to variable and feature selection". <i>JMLR</i> , (2003), 1:1-48.	
		KALIFA, Jerome, et al. "Minimax Deconvolution in Mirror Wavelet Bases". <i>IEEE Trans. on Image Processing.</i> (1999), 1-30.	
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Substitute	for form	1449A/PTC)	Application No.	10/645,863	
INFORM	MOITAN	DISCLO	SURE	Filing Date	8/20/03	
STATEMENT BY APPLICANT				First Named Inventor	Heller et al.	
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				Examiner Name	Not assigned yet	
Sheet	4	Of	4	Attorney Docket No.	29191-707	

		OTHER PRIOR ART – NON PATENT RELATED DOCUMENTS Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the							
Examiner Initials*	Cite No. ¹	Item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher city and/or country where published							
		KALIFA, Jerome, et al. "Thresholding Estimators for Linear Inverse Problems and Deconvolutions". <i>Annals of Statistics</i> (2003), no. 1, 58-109.							
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		SERVICE, R.F., "Recruiting genes, proteins for a revolution in diagnostics". Science, (4/11/03), 300:236-239							
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